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TOP SECRET NO. 1 draft - 

6 Jan 59

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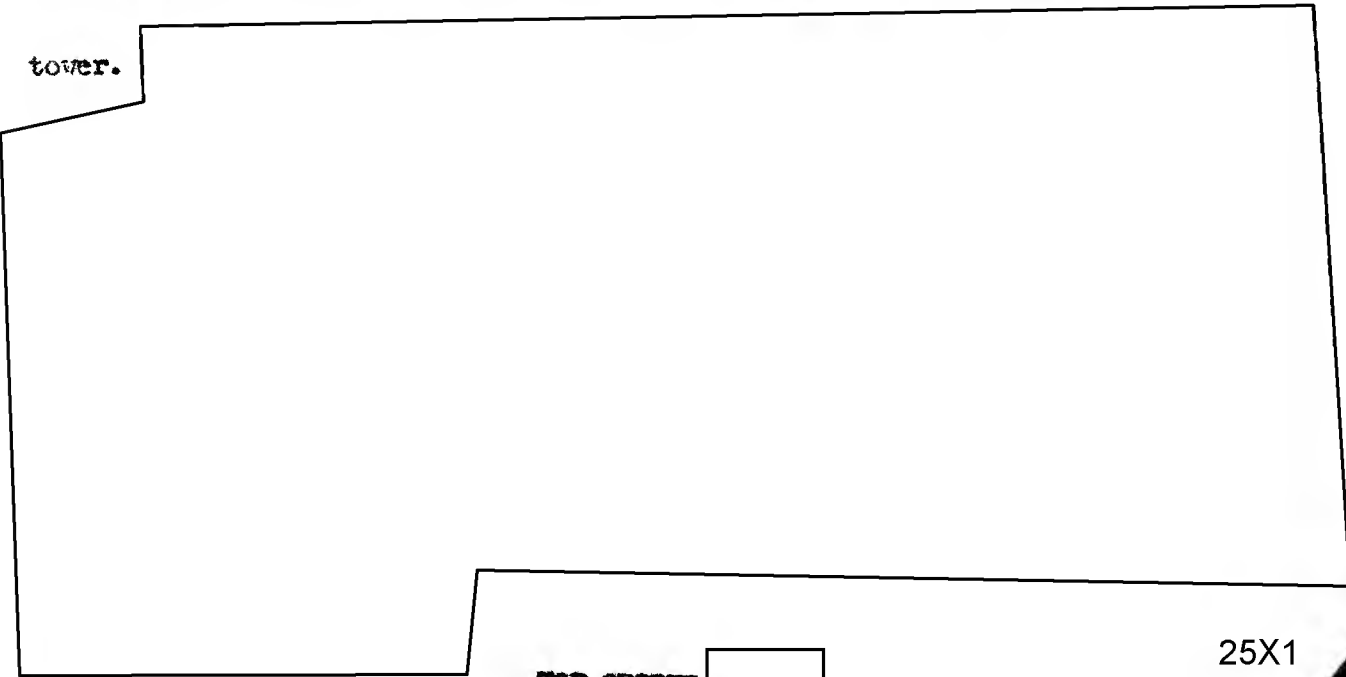
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Instrumentation as we know it from aerial photography is primarily located on the Tyura Tam/Kamchatka Missile Test Range and on the Kapustin Yar Missile Test Range. I will just discuss that instrumentation found on the TT Range and then that found on the K/Range.

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 Each

tower is positioned approximately 95 feet from the center of the servicing tower.



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A possible third collimation tower is located 400 feet west of the servicing tower. It is approximately colinear with the launching platform and an electronic installation located 15,000 feet west of the platform.

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A radio command guidance system would probably employ fixed rather than mobile sites at a test range.

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Instrumentation facilities comprising the TT Range can be grouped into

3 major categories: range head, down range, and terminal range.

Within the range head area there are approximately 15 instrumentation

sites. [REDACTED]

the Interferometer Instrumentation Site

and the Instrumentation Control Center both of which are located

approximately 4700 feet SW of the launch platform.

The interferometer instrumentation site consists of six [REDACTED]

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25X1 [REDACTED] radomes connected by cables which form a "plus" configuration.

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[REDACTED]
Double radomes are located at the end of two of the legs and single radomes are located at the end of the other two legs. A line bisecting the angle formed by the two legs with only one radome at the end extends

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[REDACTED] An earth covered bunker is located near the center of the "plus" configuration. Buried cables connect this bunker with a smaller bunker to the SE and to the Instrumentation Contact Center located 1140 feet to the E-SE. Due to its orientation and short base line

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this facility is considered not to be a guidance facility but is probably used to provide trajectory data and flight safety information.

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The primary features within the instrumentation control center are a probable instrumentation control center building and a [REDACTED] radome both oriented toward the launch platform.

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Approximately 30 down range instrumentation sites have been identified.

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Sites 28 and 29 are both major down range instrumentation sites. Site 28 consists of tracking instruments, numerous buildings, and a sod landing strip.

Site 29 also consists of tracking instruments and numerous buildings.

Site 30, located near site 29, is probably the most interesting of the down range sites.

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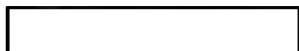
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Seven instrumentation sites, a probable radar picket ship, a probable
ma or instrumentation control center with an associated communication station,
and a communication outstation have been identified within the terminal
range area of the Kamchatka Peninsula covered by photography.

Although all of these sites are significant the ones which have received
the most are an interferometer instrumentation site located 8 nm North of Uka,
as probable interferometer site under construction located 60 nm to the SW
of the Interferometer near Uka. The radar picket ship located within the
25X1 Ozernoy Bay, and the communication station at Klyuchi previously discussed



The Interferometer site located near Uka is identical to the site within
the range head area. Supporting facilities include a large fenced area
containing numerous buildings and instruments and a smaller fenced area
containing a small radio station.

The probable interferometer instrumentation site under construction located
60 nm to the SW has similar supporting facilities plus a sod launching strip.

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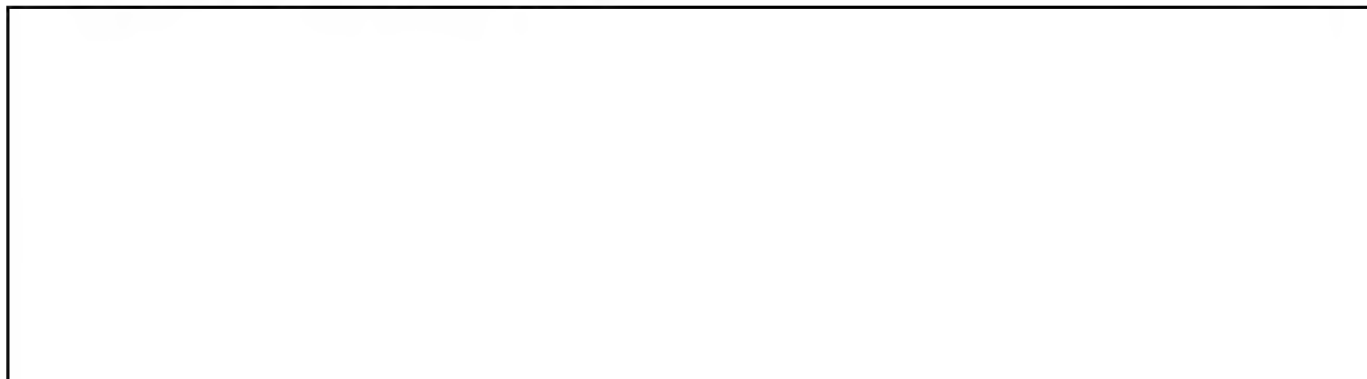
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This interferometer differs from the other two mentioned in that the distance

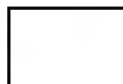
between the double radomes measures



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